

DS-2CD6D54G1-IZ(S)

Quad-Directional Varifocal PanoVu Camera



- 4 adjustable lenses in one camera cover up to 360° field of view, ensuring no blind area monitoring and the monitoring tilt angle can be adjusted
- Each lens up to 5 MP, capturing clear images, and more details can be displayed on video wall
- Clear imaging against strong back light due to 120 dB true WDR technology
- Water and dust resistant (IP67) and vandal proof (IK10) and Anti-Corrosion Protection(optional).
- 3D DNR technology delivers clean and sharp images
- -S: audio and alarm interface available

▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Distance (Wide)	60 m	23 m	12 m	6 m
Distance (Tele)	120 m	47 m	24 m	12 m



▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.0125 Lux @(F1.9, AGC ON) B/W: 0.0025 Lux @(F1.9, AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR cut filter
Angle Adjustment	Pan: -60° to 60°, tilt: 10° to 90°, rotate: 0° to 350°
WDR	120 dB
Lens	
Aperture	F1.9
Focus	Manual, semi-auto
FOV	Horizontal FOV 100° to 49°, vertical FOV 72° to 36.4°, diagonal FOV 134.4° to 61.4°
Lens Mount	Ø14
Lens Type	Varifocal lens, 2.8 to 8 mm
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	2560 × 1920
Video Stream	3 defined streams
Main Stream	50 Hz: 25 fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 24 fps (704 × 480, 640 × 480)
Third Stream	50 Hz: 6 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 8 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 16 Mbps
SVC	H.264 encoding
H.264+	Main stream support
H.265+	Main stream support
Audio	
Audio Compression	With -S model: G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	With -S model: 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)
Environment Noise Filtering	With -S model: Yes
Audio Sampling Rate	With -S model: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

Smart Feature-Set	
Smart Event	Line crossing detection, up to 4 lines configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable Scene change detection, audio exception detection(-S), defocus detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Region of Interest	4 fixed regions for each stream
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture
Image	
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Target Cropping	Yes
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In(-S)
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format
SNR	≥52 dB
Network	
Network Storage	microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	IE8+, Chrome41.0-44, Firefox30.0-51, Safari8.0-11
Interface	
Communication Interface	Without -S model: 1 RJ45 10M/100M/1000M Ethernet port; built-in RS-232 With -S model: 1 RJ45 10M/100M/1000M Ethernet port; built-in RS-232 1 RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self- adaptive)
Audio	With -S model: 1 input (line in), 1 output (line out), 3.5 mm three-contact
Alarm	With -S model: 2 inputs, 2 outputs (max. 24 VDC, 1 A)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Approval	
EMC	47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015
Safety	UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015
Chemistry	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006
Protection	IK10 (IEC 62262:2002), IP67 (IEC 60529-2013), Anti-Corrosion Protection(optional).

General	
Firmware Version	V5.5.32
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	Anti- flicker, 3 streams, heartbeat, mirror, privacy masks
Reset	Reset via reset button on camera body, web browser and client software
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC \pm 20%, reverse polarity protection; three-core terminal block 24 VAC \pm 20%; PoE (802.3at, class 4)
Power Consumption and Current	12 VDC, 1.8 A, 22 W 24 VAC, 1.4 A, 22 W PoE (802.3at, 42.5 to 57 VDC), 0.44 to 0.33 A, 19 W, class 4
Material	Bubble & IR cover: plastic, camera: metal
Dimensions	Camera: \varnothing 250 \times 114.9 mm (9.8" \times 4.5") With package: 336 \times 261 \times 293 mm (13.2" \times 10.3" \times 11.5")
Weight	Camera: 2.2 kg (4.9 lb.) With package: 3.9 kg (8.6 lb.)

**The VCA function can be enabled for any channel separately, or for both Camera 01 and Camera 03, or Camera 02 and Camera 04.*

▪ Available Model

DS-2CD6D54G1-IZS(2.8 to 8 mm)

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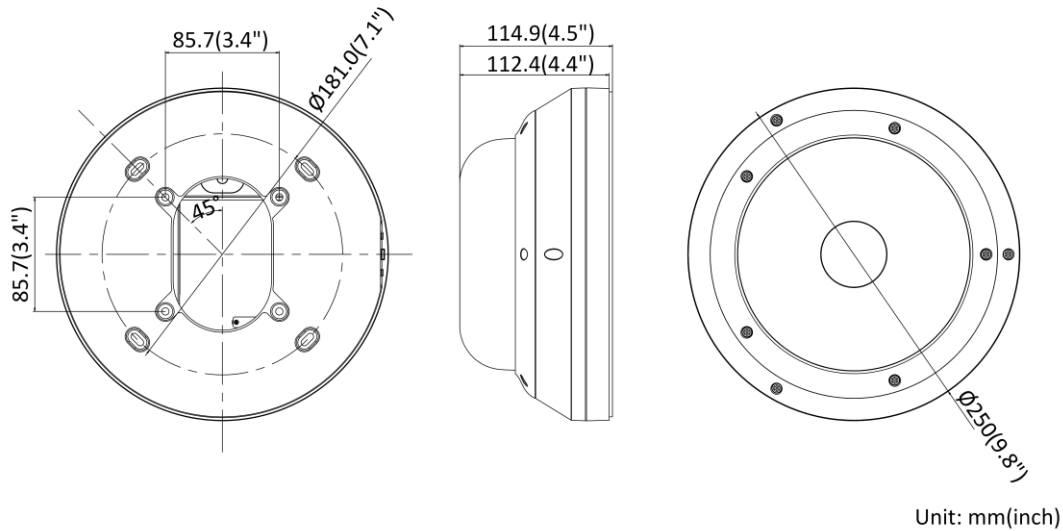
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

Dimension



Accessory

Optional



Distributed by



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